Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-61. (Cancelled)

62. (Currently Amended) A computer-implemented method for modifying network configuration information, the method comprising:

establishing, at a host node, network connections with multiple client nodes using at least one host network configuration parameter associated with the host node, the multiple client nodes including a first client node configured to establish network connections with the host node using at least one client network configuration parameter associated with the first client node and a second client <u>node</u> configured to establish network connections with the host node using at least one client network configuration parameter associated with the second client node;

accessing, at the host node, first configuration history information describing first performance statistics of at least one previous and no longer active network connection between the host node and the first client node;

accessing, at the host node, second configuration history information describing second performance statistics of at least one previous and no longer active network connection between the host node and the second client node;

accessing, at the host node, host policy information including at least one host network connection performance rule;

using the first configuration history information, the second configuration history information, and the host policy information to determine whether performance statistics including the first and second performance statistics associated with the network connections between the host node and the first and second client nodes satisfy the <u>at least one host</u> network connection performance rule;

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if it is determined that the performance statistics associated with the network connections between the host node and the multiple client nodes fail to satisfy the <u>at least one host</u> network connection performance rule, modifying the at least one host network configuration parameter used to establish the network connections between the host node and the first and second client nodes;

accessing client policy information associated with the first client node including at least one client network connection performance rule associated with the first client node;

using the first configuration history information and the client policy information associated with the first client node to determine whether the first performance statistics satisfy the client network connection performance rule associated with the first client node; and

if it is determined that the first performance statistics fail to satisfy the client network connection performance rule associated with the first client node, modifying the client network configuration parameter associated with the first client node used to establish the network connections between the host node and the first client node based on the first configuration history information and the second configuration history information.

63.   (Previously presented) The computer-implemented method of claim 62 further comprising:

accessing client policy information associated with the second client node including at least one client network connection performance rule associated with the second client node;

using the second configuration history information and the client policy information associated with the second client node to determine whether the second performance statistics satisfy the client network connection performance rule associated with the second client node; and

if it is determined that the second performance statistics fail to satisfy the client network connection performance rule associated with the second client node, modifying the client network configuration parameter associated with the second client node used to establish the network connections between the host node and the second client node.

64.   (Previously presented) The computer-implemented method of claim 63 wherein modifying the client network configuration parameter associated with the second client node used to establish the network connections between the host node and the second client node comprises modifying the client network configuration parameter associated with the second client node used to establish the network connections between the host node and the second client node based on the first configuration history information and the second configuration history information.

65.   (Previously presented) The computer-implemented method of claim 62 wherein:
        accessing, at the host node, first configuration history information describing first performance statistics of at least one previous and no longer active network connection between the host node and the first client node includes accessing performance statistics including a total number of connections the first client node has attempted with the host node; and
        accessing, at the host node, second configuration history information describing second performance statistics of at least one previous and no longer active network connection between the host node and the second client node includes accessing performance statistics including a total number of connections the second client node has attempted with the host node.

66.   (Previously presented) The computer-implemented method of claim 62 wherein:
        accessing, at the host node, first configuration history information describing first performance statistics of at least one previous and no longer active network connection between the host node and the first client node includes accessing performance statistics including a total number of connections the first client node has established with the host node; and
        accessing, at the host node, second configuration history information describing second performance statistics of at least one previous and no longer active network connection between the host node and the second client node includes accessing performance statistics including a total number of connections the second client node has established with the host node.

67.   (Previously presented) The computer-implemented method of claim 62 wherein:

accessing, at the host node, first configuration history information describing first performance statistics of at least one previous and no longer active network connection between the host node and the first client node includes accessing performance statistics including an individual session length of a connection between the first client node and the host node; and

accessing, at the host node, second configuration history information describing second performance statistics of at least one previous and no longer active network connection between the host node and the second client node includes accessing performance statistics including an individual session length of a connection between the second client node and the host node.

68.   (Previously presented) The computer-implemented method of claim 62 wherein:

accessing, at the host node, first configuration history information describing first performance statistics of at least one previous and no longer active network connection between the host node and the first client node includes accessing performance statistics including an average session length of connections between the first client node and the host node; and

accessing, at the host node, second configuration history information describing second performance statistics of at least one previous and no longer active network connection between the host node and the second client node includes accessing performance statistics including an average session length of connections between the second client node and the host node.

69.   (Previously presented) The computer-implemented method of claim 62 wherein:

accessing, at the host node, first configuration history information describing first performance statistics of at least one previous and no longer active network connection between the host node and the first client node includes accessing performance statistics including a total number of connections the first client node has attempted with the host node, a total number of connections the first client node has established with the host node, an individual session length of a connection between the first client node and the host node, and an average session length of connections between the first client node and the host node; and

accessing, at the host node, second configuration history information describing second performance statistics of at least one previous and no longer active network connection between the host node and the second client node includes accessing performance statistics including a

total number of connections the second client node has attempted with the host node, a total number of connections the second client node has established with the host node, an individual session length of a connection between the second client node and the host node, and an average session length of connections between the second client node and the host node.

70. (Previously presented) The computer-implemented method of claim 62 wherein:

accessing, at the host node, first configuration history information describing first performance statistics of at least one previous and no longer active network connection between the host node and the first client node includes accessing performance statistics including, for connections established between the first client node and the host node, abnormal disconnect rate, retain rate, busy rate, and signal-to-noise rate; and

accessing, at the host node, second configuration history information describing second performance statistics of at least one previous and no longer active network connection between the host node and the second client node includes accessing performance statistics including, for connections established between the second client node and the host node, abnormal disconnect rate, retain rate, busy rate, and signal-to-noise rate.

71. (Currently Amended) At least one computer-readable storage medium having computer-executable instructions stored therein that, when executed, perform operations comprising:

establishing, at a host node, network connections with multiple client nodes using at least one host network configuration parameter associated with the host node, the multiple client nodes including a first client node configured to establish network connections with the host node using at least one client network configuration parameter associated with the first client node and a second client node configured to establish network connections with the host node using at least one client network configuration parameter associated with the second client node;

accessing, at the host node, first configuration history information describing first performance statistics of at least one previous and no longer active network connection between the host node and the first client node;

accessing, at the host node, second configuration history information describing second performance statistics of at least one previous and no longer active network connection between the host node and the second client node;

accessing, at the host node, host policy information including at least one host network connection performance rule;

using the first configuration history information, the second configuration history information, and the host policy information to determine whether performance statistics including the first and second performance statistics associated with the network connections between the host node and the first and second client nodes satisfy the at least one host network connection performance rule;

if it is determined that the performance statistics associated with the network connections between the host node and the multiple client nodes fail to satisfy the at least one host network connection performance rule, modifying the at least one host network configuration parameter used to establish the network connections between the host node and the first and second client nodes;

accessing client policy information associated with the first client node including at least one client network connection performance rule associated with the first client node;

using the first configuration history information and the client policy information associated with the first client node to determine whether the first performance statistics satisfy the client network connection performance rule associated with the first client node; and

if it is determined that the first performance statistics fail to satisfy the client network connection performance rule associated with the first client node, modifying the client network configuration parameter associated with the first client node used to establish the network connections between the host node and the first client node based on the first configuration history information and the second configuration history information.

72.   (Previously presented) The at least one computer-readable storage medium of claim 71 further comprising:

accessing client policy information associated with the second client node including at least one client network connection performance rule associated with the second client node;

using the second configuration history information and the client policy information associated with the second client node to determine whether the second performance statistics satisfy the client network connection performance rule associated with the second client node; and

if it is determined that the second performance statistics fail to satisfy the client network connection performance rule associated with the second client node, modifying the client network configuration parameter associated with the second client node used to establish the network connections between the host node and the second client node.

73.   (Previously presented) The at least one computer-readable storage medium of claim 72 wherein modifying the client network configuration parameter associated with the second client node used to establish the network connections between the host node and the second client node comprises modifying the client network configuration parameter associated with the second client node used to establish the network connections between the host node and the second client node based on the first configuration history information and the second configuration history information.

74.   (Previously presented) The at least one computer-readable storage medium of claim 71 wherein:

accessing, at the host node, first configuration history information describing first performance statistics of at least one previous and no longer active network connection between the host node and the first client node includes accessing performance statistics including a total number of connections the first client node has attempted with the host node; and

accessing, at the host node, second configuration history information describing second performance statistics of at least one previous and no longer active network connection between the host node and the second client node includes accessing performance statistics including a total number of connections the second client node has attempted with the host node.

75.　　(Previously presented) The at least one computer-readable storage medium of claim 71 wherein:

accessing, at the host node, first configuration history information describing first performance statistics of at least one previous and no longer active network connection between the host node and the first client node includes accessing performance statistics including a total number of connections the first client node has established with host node; and

accessing, at the host node, second configuration history information describing second performance statistics of at least one previous and no longer active network connection between the host node and the second client node includes accessing performance statistics including a total number of connections the second client node has established with the host node.

76.　　(Previously presented) The at least one computer-readable storage medium of claim 71 wherein:

accessing, at the host node, first configuration history information describing first performance statistics of at least one previous and no longer active network connection between the host node and the first client node includes accessing performance statistics including an individual session length of a connection between the first client node and the host node; and

accessing, at the host node, second configuration history information describing second performance statistics of at least one previous and no longer active network connection between the host node and the second client node includes accessing performance statistics including an individual session length of a connection between the second client node and the host node.

77.　　(Previously presented) The at least one computer-readable storage medium of claim 71 wherein:

accessing, at the host node, first configuration history information describing first performance statistics of at least one previous and no longer active network connection between the host node and the first client node includes accessing performance statistics including an average session length of connections between the first client node and the host node; and

accessing, at the host node, second configuration history information describing second performance statistics of at least one previous and no longer active network connection between

the host node and the second client node includes accessing performance statistics including an average session length of connections between the second client node and the host node.

78. (Previously presented) The at least one computer-readable storage medium of claim 71 wherein:

accessing, at the host node, first configuration history information describing first performance statistics of at least one previous and no longer active network connection between the host node and the first client node includes accessing performance statistics including a total number of connections the first client node has attempted with the host node, a total number of connections the first client node has established with the host node, an individual session length of a connection between the first client node and the host node, and an average session length of connections between the first client node and the host node; and

accessing, at the host node, second configuration history information describing second performance statistics of at least one previous and no longer active network connection between the host node and the second client node includes accessing performance statistics including a total number of connections the second client node has attempted with the host node, a total number of connections the second client node has established with the host node, an individual session length of a connection between the second client node and the host node, and an average session length of connections between the second client node and the host node.

79. (Previously presented) The at least one computer-readable storage medium of claim 71 wherein:

accessing, at the host node, first configuration history information describing first performance statistics of at least one previous and no longer active network connection between the host node and the first client node includes accessing performance statistics including, for connections established between the first client node and the host node, abnormal disconnect rate, retain rate, busy rate, and signal-to-noise rate; and

accessing, at the host node, second configuration history information describing second performance statistics of at least one previous and no longer active network connection between the host node and the second client node includes accessing performance statistics including, for

connections established between the second client node and the host node, abnormal disconnect rate, retain rate, busy rate, and signal-to-noise rate.

80-84. (Cancelled)